

HOME AGRICULTURAL LIBRARIES INFORMATION NOTES

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F.A.S. Univ. of Florida

TIS TRAINING AND EDUCATION SERVICES

By David Hoyt*

As most of our readers are aware, in 1978 several components of the U.S. Department of Agriculture were re-organized, and the Science and Education Administration (SEA) was established. The creation of SEA was in direct response to Title XIV of the Food and Agriculture Act of 1977 (U.S.C. 3121). The Act emphasized that agricultural research, extension, and teaching were distinct missions of the Department of Agriculture. The functional units of SEA included Agricultural Research, Cooperative Research, Extension, and Technical Information Systems. Technical Information Systems (TIS) includes the National Agricultural Library (NAL).

As a new entity within SEA, TIS nevertheless retained its original responsibility to acquire and diffuse among the American people technical information about agriculture and related subjects.

New emphasis was placed on its role of training and education within the agricultural information community. Greater stress was laid on outreach activities and user training in order to create and maintain a national information network of highly trained information providers.

This network consists of USDA agency field libraries, land grant college libraries, specialized information centers, extension information centers,

nutrition information centers, forestry institutions, and other cooperating agricultural information providers. To ensure that the TIS information systems and services are made known to the agricultural community, a videotape was produced and online user workshops were developed.



USDA Photo
Frame from "The Information Cycle."

Last November production was completed on a new videotape, called "The Information Cycle." This tape presents and describes the Agriculture Literature (AGRICOLA) and Current Research Information Systems (CRIS) data bases, the Current Awareness Literature Service (CALIS), Food and Nutrition Information Center (FNIC), and the Document Delivery Systems of the National Agricultural Library and the information network. The tape also includes a brief overview of the evolution of the National

Agricultural Library into the Technical Information Systems, and the processes by which information is transferred from the scientist to the educator.

"The Information Cycle" presents an overview of Technical Information Systems, what it is, and how it can help you in your work. The tape can be used in staff awareness sessions, or utilized for training sessions emphasizing online literature retrieval.

User Training and Online Workshops

At least two levels of data base workshops have also been developed by the Educational Resources Division integrating the training programs related to CRIS, AGRICOLA, and CALS.

Basic Level Workshops

The basic level workshops are designed to give participants an understanding of the basic organization, principal functions, and mission of Technical Information Systems; the principles behind online information retrieval; the methodology and command structure of the Lockheed Dialog Information Retrieval System; the organization, scope of coverage, and content of the CRIS and AGRICOLA data base; the principles and theory behind multiple data base searching necessary to support Current Awareness Literature Services (CALS) profiling; the functioning of the CALS services; and the methods of operation used in the NAL Document Delivery System. The main thrusts and major emphases of the classes are on data base searching. The workshops are not intended to produce experts at data base searching, but attendees are expected to acquire basic minimum proficiency in searching the CRIS and AGRICOLA data bases, and in assisting scientists and educators in preparing multiple data base profiles for CALS services.

The topics covered in the basic workshop include online systems access to Lockheed's Dialog information retrieval system, including its commands and operational procedures; Boolean logic; search strategy formulation; efficient search techniques; and basic proficiency in the searching of CRIS and AGRICOLA, as well as profiling experience for the provision of CALS service. CRIS, AGRICOLA, and CALS are explained in terms of their history, growth, development, structure, content, scope of coverage, and purpose. The basic level classes will provide for considerable practical experience at online searching as an integral part of the workshop. TIS provides all necessary



USDA Photo
Basic level AGRICOLA Workshop taught
by Dr. Charles Gilreath, Texas A & M
University.

examples, illustrations, slides, overheads, or other audiovisual materials necessary for the workshop. Attendees provide only for their travel and personal expenses.

The basic level classes are primarily intended for professional librarians and technical information specialists. But, researchers, scientists, or educators, with a steady or continuous need to search for agricultural information from an online system may also enroll. No prior online searching experience is expected of participants, but either some subject knowledge of agriculture, the life sciences or related disciplines; or training on a graduate level in library or information science; or advanced standing or practical experience at providing agricultural information is necessary. Priority for admission to the workshops, which are offered at various locations around the country, goes to individuals from within the USDA community; the land grant universities, and other cooperating institutions. As space permits, applicants will also be accepted from state and local governmental organizations and the private agricultural sector. Each class is limited in size to about 20 or 25 people.

Advanced Level Workshops

The advanced level workshops are intended for more sophisticated and experienced searchers of AGRICOLA and are designed to give participants an advanced level understanding of the use, functions, and content of the AGRICOLA data base; its design structure and principal features; its strengths and weaknesses in relation to other agricultural data bases; its scope of subject coverage, unique features and problems. Participants should come away from the advanced seminar with a clear understanding of how to use AGRICOLA effectively, when

to choose it over another data base, and how to formulate and execute a complicated search on a complex subject and do so in an efficient manner.

The main thrust and major emphasis of the advanced level classes is on the efficient retrieval of complex agricultural information from AGRICOLA and related data bases. Unlike the basic level classes, these workshops are intended to produce experts at AGRICOLA searching. These experts should in turn be able to instruct their colleagues and subordinates at their own institutions and further enhance the quality and efficiency of the information services provided within the national information network.

The topics covered in the advanced classes will include the history, growth, development, structure, content, coding, classification, scope of coverage, and purposes of the AGRICOLA data base. When appropriate, comparisons with other agricultural, biological, chemical, industrial, or business data bases will be made for the purposes of illustrating the strengths and weaknesses in AGRICOLA; differences in searching techniques; and methodology behind search strategy formulation. Cataloging and indexing policies and practices will also be covered as they relate to efficient retrieval of information from AGRICOLA; likewise, acquisition policies and practices will be discussed to illustrate when AGRICOLA versus another data base should be used to retrieve agricultural or related information. AGRICOLA subject and concept coding will be discussed in relation to other data bases and free text searching. The creation and function of the various subfiles will also be integrated into the workshops. A major emphasis will be placed on problem solving in the creation and construction of innovative and search strategies. Appropriate reference tools, search aids, and vocabulary tools

will be used for these purposes. As a rule discussion of AGRICOLA will be systems independent, except where different loading techniques or unique systems features affect retrieval outcomes. Here systems discussions will be relevant and appropriate.

Practical experience at online searching will also be an integral part of the advanced workshop as well, but a greater emphasis will be placed on group discussions, problem solving sessions, and illustrative lectures. The advanced classes are intended, as the name implies, for advanced level professional librarians or technical information specialists working in agricultural information retrieval activities. Each class will be limited to not more than 15 or 20 participants; and, like the basic level classes, will be located around the country at various institutions.

Conclusion

The long range goal of TIS is to continue offering a variety of user training seminars. A basic level workshop is scheduled for August 24-28 in Knoxville, Tennessee. Two advanced classes are scheduled to be held in Riverside, California, September 21-23, and East Lansing, Michigan, November 2-5, 1981, respectively. A schedule for the fiscal year 1982 will be published shortly. Persons interested in enrolling in the workshops, wanting to borrow the videotape, or wishing additional information about training sessions, should call or write David R. Hoyt, Room 408 NAL Building, Beltsville, MD 20705; telephone: (301) 344-3937. ☒



USDA Photo
AGRICOLA students working at terminal with instructor Harry Dewey.



USDA Photo
A student receives "hands on" experience.

**David Hoyt is Leader, Training and Education, Educational Resources Division, TIS/SEA/USDA.*

SELECTION CRITERIA FOR THE REFERENCE COLLECTION, TECHNICAL INFORMATION SYSTEMS

By Mary Lassanyi
and
Phyllis Cleveland*

Writing the selection criteria for the Reference Collection was derived from a study of the forthcoming book "Guide to Sources for Agricultural and Biological Research" by J. Richard Blanchard and Lois Farrell.^{1/} This study was to provide three results:

1. To determine the titles owned by Technical Information Systems (TIS).
2. To make recommendations on unowned items to be purchased by Technical Information Systems.
3. To write selection criteria for Reference Collection of Technical Information Systems.

Inquiries and literature searches revealed that reference collection policies had not been written by other national libraries or by other special libraries.^{2/} Therefore, TIS had no basis or guidelines to follow in writing a selection criteria policy for its reference collection.

Many regular selection policies were studied and journal articles on selection policy were read. After this, it was evident that this policy should be in a short, easy to follow format, and that it should include both acquisition and updating (weeding) of reference materials. Of course, it had to fit into parameters of the present Library Collection Development Policy.^{3/} Therefore the concept core and related subjects were preserved.

The final product of the Selection Criteria consists of four parts:

CHECKLIST FOR ACQUISITION OF NEW MATERIALS

- (1) What are the strengths and weaknesses of the existing reference collection in the subject area in question?
- (2) Is this topic an important one in the Department?
- (3) Is this topic likely to be important in the future?
- (4) Has the work received favorable reviews?
- (5) What are the author's, institution's, and publisher's qualifications and reputation?
- (6) What is the date of publication?
- (7) Does the work duplicate material in titles already in the collection?
- (8) What is the language of the publication? (Works in English and major foreign languages [French, German, and Spanish] will be purchased in preference to those in minor languages.)

CHECKLIST FOR WEEDING CRITERIA

- (1) How comprehensive is this publication? Are its scope and depth such that it belongs in the reference collection? How do scientists and subject specialists rate it?
- (2) Is the discipline one which requires a large group of reference works.
- (3) What is the language of the publication? If it is not in English, will its use be very light?
- (4) How frequently is this publication likely to be used in the future?

- (5) Is there a later edition which supersedes this publication?
- (6) How old is the publication?
- (7) Is the work a continuation? If so, should some or all of the older volumes be sent to the stacks?
- (8) Is the material in this work largely or entirely duplicated in other reference works?

OVERVIEW OF COVERAGE OF AGRICULTURAL LITERATURE

The overview, which is used to determine the language of a selection, combines the type of reference material with core subjects, related subjects, and peripheral subjects. By using the chart, one can identify the language in which each item may be collected.

OVERVIEW OF COVERAGE OF AGRICULTURAL LITERATURE			
<u>Types of Materials</u>	<u>Core Subjects</u>	<u>Related Subjects</u>	<u>Peripheral Subjects</u>
Abstracts & Indexes	E	E	E
Atlases	S	E	F
Biographies	E	E	E
Catalogs	S	E	F
Dictionaries	A	S	E
Directories	E	E	E
Encyclopedias	S	E	E
Handbooks	E	E	*
Subject bibliographies	S	E	E
Thesauri	E	E	
Yearbooks & Almanacs	E	E	E
Legend: A= to be collected in <u>any</u> language E= to be collected only in <u>English</u> S= to be collected in <u>selected</u> languages (i.e., English, French, German, Russian, Spanish) *= to be acquired on a very selective basis			

GRID COMBINING TYPES OF REFERENCE MATERIALS AND SUBJECT AREAS WITH NUMERICALLY RANKED PERTINENT INFORMATION ABOUT THE PUBLICATION

The Grid is to be used in the following manner:

- (1) Determine if proposed selection fits a type of reference material i.e., dictionary or a subject, for instance, plant science. If it is both, the reference librarian must make a decision as to where to place it; however, it is generally advisable to use the reference type, because subject considerations are included under core subjects and related subjects.
- (2) Next the bibliographic data plus knowledge of core and related subjects are evaluated using the legend at the bottom of the page. User input has no numerical ranking.

- (3) When all appropriate boxes have been marked with numbers, a total is placed in the last column on the right.
- (4) Numerical evaluation determines whether the publication is Essential (10-11), Useful (8-9), Desirable (7), Not Recommended (6).

Types of Materials and Subjects	Core Subjects		Related Subjects		USDA User Input		Date of Publ.		Language			Cost		Reputation			Total
	Com'l	Selective	Com'l	Selective	Com'l	Selective	W	M	A	E	S	L	M	I	N	L	
Abstracts & indexes																	
Agriculture, General																	
Animal Sciences																	
Atlases																	
Biographies																	
Catalogs																	
Dictionaries																	
Directories																	
Encyclopedias																	
Food & Nutrition																	
Handbooks																	
Physical Sciences																	
Plant Sciences																	
Social Sciences																	
Subject Bibliographies																	
Technology																	
Thesauri																	
Yearbooks & Almanacs																	

Legend:	Code	Rating	Language	Code	Rating	Reputation of	Code	Rating
Core Subjects	C	Acquired on continued basis	2	A	Collected in any language	2	Publisher	M
Related Subjects	R	Acquired on selective basis	1	E	Collected only in English	3	Institute	N
USDA User Input	I			S	Collected in selected language (French, German, Spanish, Russian)	1	Author	L
Date of Publ.	W	Within 3 years	2	L	Less than \$100.00	2		
	M	More than 3 years	1	M	More than \$100.00	1		


The final step, using the criteria, was to recommend titles to be purchased by TIS. For selection purposes four categories were used in the desirata file. In descending order of importance these were; essential, useful, desirable, and not recommended. The major reasons for not selecting items are as follows:

1. Journal article
2. Too old to be useful, especially for directories and periodical lists
3. Adverse comment in the annotation
4. Overlaps material already owned
5. Unsuitable language, for example, a directory printed only in Japanese
6. Data base
7. Special collection not available for purchase or distribution

The Reference Librarians will use the grid for a trial period of several months.

1/Available Fall 1982 from University of California Press, Berkeley, CA. Price unavailable.

2/The National Library of Medicine completed a Reference Book Selection Policy for their highly specialized library, shortly after this was written.

3/USDA, Library Collection Development Policy, NAL, Beltsville, MD. December 1977. 

**Mary Lassanyi is Head, Information & Bibliographic Section, Reference Branch, TIS/SEA/USDA. Phyllis Cleveland is a former member of the Reference Staff.*

SUGAR EXHIBIT

"Green Fields: Two Hundred Years of Louisiana Sugar" is a pictorial exhibit assembled by the Center for Louisiana Studies of the University of Southern Louisiana to tell the story of the sugarcane industry, its people, and its distinctive culture. The exhibit will be on display in the Lobby of the National Agricultural Library Building July 9-August 28, 1981. The formal opening of the exhibit will take place on Thursday, July 9 at 3:00 p.m. Louisiana State officials, members of the Congressional delegations, representatives from the U.S. Department of Agriculture, and staff from the Center for Louisiana Studies are expected to be present.



Photo Center for
Louisiana Studies
A one - row cutter

The exhibit is composed of over 180 images ranging from eighteenth century engravings to photographs of the latest prototypes of mechanical harvesters. It explores the growing and harvesting of sugarcane as well as the complex manufacturing processes over the span of two centuries. It also addresses itself to the architecture of sugar, not just the great plantation houses of the Mississippi River, dear to film makers and photographers, but also the humbler homes of the bayou country, the massive sugarhouses where the sweet juice is extracted and granulated, and the ancillary buildings without which the industry could not function.


For more information on the exhibit contact Alan Fusonie, TIS/SEA/USDA; telephone: (301) 344-3876. ☎

ELECTRONIC MAIL

An Electronic Mail System is now in operation for the Extension Service. The contract was awarded to DIALCOM, Inc., a Silver Spring, MD company which provides a comprehensive software package offering an advanced list of services. Dr. Mary Nell Greenwood and the Deputy Administrators' offices are currently using Electronic Mail as is SEA-Information and SEA-Cooperative Research Service. Information has been forwarded to State Extension Directors and their designated contact persons, inviting them to contract for the system. To date training has been provided for nearly a hundred people in the Washington area in the use of the system.

This "Cooperative Systems Mail Network" will not only provide message transmission service between all users of the system, it also provides the capability to file materials electronically; it has a powerful editing capability which performs many word processing functions; it interfaces with word processors; it provides the capability for computer conferencing, calendaring, project tracking and even makes the daily news available through the UPI newservice.

State Directors have the option to contract for this system through Technical Information Systems/SEA and to establish as many ID's or mailboxes as are needed in their State. Although each State will be responsible for its own costs, it is anticipated that these costs will be modest. We are looking forward to having your State accessible on this system.

For further information contact Gerald Paulsen, ISD/TIS/SEA, NAL Bldg., Beltsville, MD 20705; telephone: (301) 344-3752. 

Cooperative Systems Mail Network. A Computerized National Network For Rapid Person-To-Person Communication. Folder. To request a copy, send a self-addressed mailing label to: TIS/SEA/USDA, Educational Resources Division, Room 408, NAL Bldg., Beltsville, MD 20705.

BIOSIS/CAS SELECTS TO DEBUT IN JULY

BIOSIS and Chemical Abstracts Service (CAS) have announced plans to jointly produce a series of current awareness publications under the general title of BIOSIS/CAS SELECTS.

These biweekly publications will bring together abstracts and summaries of current research articles from both the biological and chemical literature on topics spanning the two disciplines. Fourteen titles covering specific research areas will be available in July of 1981. Other topics are under consideration and may be added as the service develops.

The content of the BIOSIS/CAS SELECTS publications will be selected by computer-assisted review of all abstracts and summaries prepared for *Biological Abstracts*, *Biological Abstracts/RRM* (Reports, Reviews, Meetings) and *Chemical Abstracts*. Subscribers to the new service will receive the benefit of the most comprehensive reviews of current worldwide chemical and biological research literature available. Together, the two services monitor more than 15,000 scientific periodicals, abstracting or summarizing more than 750,000 research articles each year.

Each publication is priced at \$100.00 annually, and includes 26 issues. Readers interested in subscribing may contact BIOSIS Customer Services in Philadelphia, PA or CAS Customer Service, P.O. Box 3012, Columbus, OH 43210.
(BIOSIS, Continued on p. 15)



Agricultural - Food Policy Review. Perspectives for the 1980's. Washington, D.C., Economics and Statistics Service, U.S. Department of Agriculture, 1981. 148 p. (AFPR-4). Free. Request from Economics and Statistics Service, Information & Publications, U.S. Department of Agriculture, Room 440-GHI, Washington, D.C. 20250.

Crop Yields and Climate Change to the Year 2000. Vol. 1: Report on the second phase of a climate impact assessment. Conducted by the Research Directorate of the National Defense University jointly with the U.S. Department of Agriculture, Defense Advanced Research Projects Agency, National Oceanic and Atmospheric Administration, Institute for the Future. Washington, D.C. (National Defense University) 1980. 128 p. \$5.00. Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Feeding Value of Ethanol Production By-Products. Committee on Animal Nutrition, Board of Agriculture and Renewable Resources, Commission on Natural Resources, National Research Council. National Academy Press, 1981. 73 p. ISBN 0-309-03136-2; \$6.50. Order from Press, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.


Managing Climatic Resources and Risks. Panel on the Effective Use of Climate Information in Decision Making, Climate Board; Assembly of Mathematical and Physical Sciences, National Research Council. Washington, D.C. National Academy Press, 1981. 60 p. Free. Available from Board, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

Nutritional Energetics of Domestic Animals and Glossary of Energy Terms.

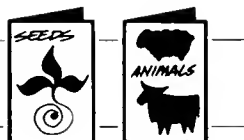
Second Revised Edition. Subcommittee on Biological Energy, Committee on Animal Nutrition, Board on Agriculture and Renewable Resources, Commission on Natural Resources, National Research Council. National Academy Press, 1981. 54 p. ISBN 0-309-03127-3; \$4.75. Order from Press, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

Vegetable Farming Systems in China: Report of the Visit of the Vegetable Farming System Delegation to China. Donald L. Plucknett and Holsey L. Beemer, Jr., eds. Boulder, CO., Westview Press, 1981. 397 p. ISBN 0-891158-999-6. \$29.75. Order from Press, 5500 Central Avenue, Boulder, CO.

ASSOCIATES NAL ANNUAL MEETING

The annual meeting and luncheon of the Associates NAL, Inc. will be held jointly with the Council of Supervisors of Technical Information Systems on Thursday, July 9, 1981. The place is the Holiday Inn in Beltsville, MD at the intersection of the Capital Beltway and U.S. 1. The luncheon will begin at 12:00 p.m. and costs \$8.00 per person. Reservations should be made with Tania Tontarski, Room 302, National Agricultural Library building, Beltsville, MD 20705; telephone: (301) 344-3704. The program speaker is Glenn Conrad, Director, Center for Louisiana Studies, University of Studies, who will speak on "Green Fields: Two Hundred Years of Louisiana Sugar." Members of the Associates and guests are cordially invited to attend the formal opening of the exhibit on "Green Fields" at 3:00 p.m. that afternoon in the lobby of the NAL Building. 

**NEW SERIALS
RECEIVED AT NAL**



Animal Disease Occurrence. Farnham Royal, England, Commonwealth Agricultural Bureaux. s.-m. Vol. 1, 1980. SF780.9.A55

Carcinogenesis. New York, IRL Press. m. Vol. 1, 1980. RC268.5.C38

Environmental Technology Letters. Kew, England. m. Vol. 1, 1980. TD1.E59

Energy Research Programs. New York, Bowker. irr. 1st ed., 1980. TJ163.165.E5

Fauna Norvegica. Ser. A. Oslo, Norsk Zoologisk Tidsskriftsentral. q. Vol. 1, 1980. Q332.768X

Food and Fieldmen. Ames, Iowa. International Association of Milk, Food and Environmental Sanitarians. m. 1981. TX501.F65

International Goat and Sheep Research. Scottsdale, AZ. Dairy Goat Journal Pub., Co. q. Vol. 1, 1980. SF380.15

Journal of Muscle Research and Cell Motility. London, Chapman and Hall. q. Vol. 1, 1980. QP321.J59

Molecular and Cellular Biology. Washington, D.C., American Society for Microbiology. m. Vol. 1, 1981. QH506.M664

Placenta. Eastbourne, East Sussex, England. q. Vol. 1, 1980. QP281.b.P53

Resource Management and Optimization. Chur, Switzerland, New York, Harwood Academic Publishers. Vol. 1, 1980. S900.R39

Soviet Scientific Reviews. Section D, Biology Reviews: Physico-Chemical Aspects. Chur, Switzerland, New York, Harwood Academic. a. Vol. 1, 1980. QH301.S68.

POCKET COMPUTERS

Pocket-sized, programmable calculators are being used to evaluate the alternatives for reducing soil losses.

In a program developed at Iowa State University, the calculators are being used to permit rapid evaluation of methods and practices that will reduce soil losses to tolerance levels. The evaluation includes a cost-return analysis of "Alternative Tillage Systems" and permits the farmer to check the effect of alternative tillage procedures at the "press of the button."

In addition to considering the impact of soil losses, the program will also compare the financial return per acre for various combinations of machinery used in growing corn or soybeans in particular, and can be adapted for other crops. The variable and fixed costs associated with owning and operating machines are used in making calculations.

More information on this program is available from S. Elwynn Taylor, Agronomy Department, Iowa State University, Ames, IA 50011.

-Agricultural Programs Newsletter
No. 5, May 1981. SEA-Extension.
USDA.



An Annotated Bibliography of Greenhouse Energy Conservation and Management.

Hugh A. Poole and Priscilla A. Gresser. (Ohio Agricultural Research and Development Center. Research Circular No. 262). Wooster, Ohio Agricultural Research and Development Center. October 1980. 146 p. 1,373 citations. Free. Order from: Publisher, U.S. 250 and Ohio South, Wooster, OH 44691. (NAL call no.: 100 Oh3R).

Bibliografia do Asparago: Asparagus officinalis L. (Asparagus Bibliography: Asparagus officinalis L.). Suzana Sperry. Pelotas, Brazil/EMBRAPA/DID. 1980. 151 p. 554 citations. Price unavailable. Order from: Publisher, Edificio Venancio 2000--2 Subsolo, Caixa Posta, 1316, 70.333--Brasilia--DF, Brazil. (NAL call no.: Z5074.J8N3).

Bibliografia de Malva. (Mallow Bibliography). Nazira Leita Nassar. Brasilia, Brazil, EMBRAPA/DID. 1980. 64 p. 150 citations. Price unavailable. Order from: Publisher, Edificio Venancio 2000--2 Subsolo, Caixa Posta, 1316, 70.333--Brasilia--DF, Brazil. (NAL call no.: Z5074.J8N32).

Bibliographie uber die Elektrofischerei, ihre Grundlagen und die Gefahren des Elektrischen Stromes. (Bibliography of Electro-Fishing, the Basis for it, and the Dangers of the Electric Current). Egon and Inge Halsband. (Bundesforschungsanstalt fur Fischerei. Veroffentlichungen des Instituts fur Kusten-und Binnenfischerei, No. 69). Hamburg, Institut fur Kusten-und Binnenfischerei. 1980. 156 p. 320 citations with abstracts. Price unavailable. Order from: Publisher, Palmaille 9, 2000 Hamburg 50, Federal Republic of Germany. (NAL call no.: SH1.B82).

A Bibliography for Small and Organic Farmers, 1920-78. J. W. Schwartz. (U.S. Department of Agriculture. Bibliographies and Literature of Agriculture, No. 11). Washington, D.C., Science and Education Administration. 1981. 237 p. 1,182 citations. Free. Order from: Publications and Distribution, SEA--Information Staff, Room 6007 South Building, U.S. Department of Agriculture, Washington, D.C. 20250. (NAL call no.: aZ5076.A1U56).

Capacity-Building (Management Improvement) for Local Governments: An Annotated Bibliography. Beth Walter Honadle. (Development Research Report, No. 28). Washington, D.C., Economics and Statistics Service, U.S. Department of Agriculture. 1981. 78 p. 162 citations. Free. Order from: ESS Information, Room 0054 South Building, U.S. Department of Agriculture, Washington, D.C. 20250. (NAL call no.: aHT392.A53).

A Computerized Bibliography of Selected Sagebrush Species (Genus Artemisia) in Western North American. Roy O. Harniss, Stephen J. Harvey, and Robert B. Murray. (USDA Forest Service General Technical Report INT-102). Ogden, Intermountain Forest and Range Experiment Station. February 1981. 107 p. 1,489 citations. Free. Order from: Publisher, Ogden, UT 84401. (NAL call no.: aSD11.A48).

Decentralized Energy Studies: Bibliography. James M. Ohi, Charles T. Unseld, Alice Levine, and Jo Ann Silversmith. (U.S. Department of Energy, Solar Energy Research Institute. SERI/RR-744-448). Golden, Colorado, Solar Energy Research Institute. May 1980. 51 p. Approx. 700 citations. Price \$5.25. Order from: National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. (NAL call no.: TJ163.17.D4).



Drought in the Great Plains: A Bibliography. Donald A. Wilhite and Richard O. Hoffman. (Nebraska Agricultural Experiment Station. Miscellaneous Publication, No. 39). Lincoln, Nebraska, Agricultural Experiment Station, University of Nebraska--Lincoln. 1980. 75 p. 1,383 citations. Free. Order from: Publisher, Lincoln, NE 68503. (NAL call no.: 100N27M).

The Effects of Fire and Other Disturbances on Small Mammals and Their Predators: An Annotated Bibliography. Catherine H. Ream. (USDA Forest Service General Technical Report INT-106). Ogden, Intermountain Forest and Range Experiment Station. March 1981. 55 p. 237 citations. Free. Order from: Publisher, Ogden, UT 84401. (NAL call no.: aSD11.A48).


Food Bibliography: References to Reports and Other Documents Issued by the U.S. General Accounting Office, January 1977-December 1979. (CED-80-97). Washington, D.C., U.S. General Accounting Office. June 1980. 206 p. Approx. 435 citations with abstracts. Free. Order from: GAO DHISF, Box 6015, Gaithersburg, MD 20760. (NAL call no.: Z7914.F63F6).

Geneticheskie Osnovy Seleksii Sel'skokhoziaistvennoi Ptstsy: Bibliograficheskii Ukazatel'...za 1974-1977 gg. v Kolichestve 1111 Nazvanii (Genetic Principles of Farm Poultry Selection: Bibliographic Guide to Domestic and Foreign Literature for 1974-1977 totalling 1111 Titles). G. F. Todoshchenko and L. A. Besulina. Khar'kov, IUzhnoe otdelenie VASKhNIL, Nauchnaia Biblioteka Ukrainskogo Nauchno-Issledovatel'skogo Instituta Ptitsevodstva. 1980. 108 p. 1111 annotated citations. Price unavailable.

Inputs Used in U.S. Farm Production: A Bibliography of Selected Economic Studies, 1950-80. Thomas Spinks and Dale C. Dahl. (U.S. Department of Agriculture. Bibliographies and Literature of Agriculture, No. 19). Washington, D.C., National Economics Division, Economics and Statistics Service, U.S. Department of Agriculture. 1981. 162. p. Approx. 1,620 citations. Free. Order from: ESS Information, Room 0054 South Building, U.S. Department of Agriculture, Washington, D.C. 20250. (NAL call no.: aZ5076.A1U56).

Julkaisut 1979. Metsantutkimuslaitos (Abstracts of Publications, 1979. The Finnish Forest Research Institute). S. Oja. (*Folia Forestalia*, No. 435). Helsinki, Metsantutkimuslaitos. 1980. 20 p. 59 citations including English summaries. Price unavailable. Order from: Government Printing Centre, Marketing Department, P.O. Box 516, SF-00101 Helsinki 10, Finland. (NAL call no.: 99.8 F713).

Kompleksnye Udobreniia i Ikh Primemenie v SSSR i za Rubezhom: Ukazatel' Literaturny za 1974-1979 gg... (Combined Fertilizers and Their Use in the USSR and Abroad: Literature Guide for 1974-1979, 566 Domestic Titles, 223 Foreign Titles). L. V. Chernova. Moskva, TsNSKhB VASKhNIL. 1980. 125 p. 789 annotated citations. Price unavailable.

Pinus radiata: A Bibliography. Supplement for 1973-75. Marie Sweet. (Commonwealth Scientific and Industrial Research Organization. Division of Forest Research. Divisional Report, No. 4). Canberra, Australia, Division of Forest Research, Commonwealth Scientific and Industrial Research Organization. 1980. 112 p. Approx. 850 citations. Price unavailable. Order from: CSIRO Division of Forest Research, P.O. 4008, Canberra, A.C.T., 2600 Australia. (NAL call no.: SD110,C63). 


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- NAL--BIBL.--81-09. *Guayule, 1969-March 1981*. 54 citations from AGRICOLA. Search by J. Rafats. April 1981.
- NAL--BIBL.--81-10. *Wind Erosion and Its Control, 1969-Feb. 1981*. 229 citations from AGRICOLA. Search by Charles N. Bebee. April 1981.
- NAL--BIBL.--81-11. *Erosion of Slopes and Gullies, 1969-1980*. 129 citations from AGRICOLA. Search by Charles N. Bebee. April 1981. 


Clearances have been given to USDA authors to compile or publish the titles listed below. These titles have not been published as yet and therefore, are not available for distribution. Upon publication, they will be cited in the "New Bibliographies" or "New Publications of Note" column of this publication.

An Annotated Bibliography of Oak Wilt Caused by Artocustis Fagacearum. Robert L. Anderson, William L. MacDonald, Paul A. Mistretta, and Robert Lewis, Jr. Formerly announced as *A Bibliography on Live Oak Decline (Artocustis Fagacearum)*. For further information contact: Paul A. Mistretta, Alexandria FPM, Southeastern Area, State and Private Forestry, U.S.F.S./USDA, 2500 Shreveport Highway, Pineville, LA 71360.

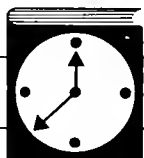
Recent Developments in Agricultural Trade Modeling in the United States. Robert L. Thompson. For information contact: Thomas McDonald, ESS Room 1664-S, USDA, Washington, D.C. 20250. 

(BIOSIS, Continued from p. 9)
Titles selected for issuance in July
are:

Allergy and Antiallergy
Biochemistry of Fermented Foods
Biological Clocks
Cancer Immunology
Endorphins
Geriatric Pharmacology
Histochemistry and Cytochemistry
Immunochemical Methods
Interferon
Mammalian Birth Defects
Pediatric Pharmacology
Plant Genetics
Schizophrenia
Transplantation

-Bioscene 10:2, April 1981 

AGRICULTURE DATEBOOK



August 2-5: *Soil Conservation Society of America, 36th Annual Meeting.* Spokane, WA. Contact: SCSA, 7515 Northeast Ankeny Road, Ankeny, Iowa 50021.

August 2-6: *American Phytopathological Society.* New Orleans, LA. Contact: SCSA, 7515 Northeast Ankeny Road, Ankeny, Iowa 50021.

August 11-13: *Cereals, A Renewable Resource: Theory and Practice.* An International Symposium. Copenhagen, Denmark. Contact: Mrs. Ruth Nelson, American Association of Cereal Chemists, 3340 Pilot Knob Road, St. Paul, MN 55121. (612) 454-7250.

August 16-21: *International Congress on Nutrition. XII.* San Diego, CA. Contact: Administrative Secretariat,

XII International Congress on Nutrition, 1629 K Street, N.W., Suite 706, Washington, D.C. 20006.

September 6-17: *XVII IUFRO (International Union of Forestry Research Organizations) World Congress.* Kyoto, Japan. Contact: Secretariat, XVII IUFRO World Congress, P.O. Box 16, Tsukuba Norin Kenkyudanchi-nai, Ibaraki 305, Japan.

October 25-30: *American Society for Information Science, 44th Annual Meeting.* Washington, D.C. Contact: Carol Wasserman, ASIS '81 Public Relations Committee, 1010 16th Street, N.W., Washington, D.C. 20036.

November 2-5: *USDA Outlook Conference.* Washington, D.C. Contact: Sally Michael, WFAOSB, Rm. 3510 So. Agri. Bldg., U.S. Department of Agriculture, Washington, D.C. 20250.

November 8-11: *National Association of State Universities and Land-Grant Colleges.* Contact: Ruth N. Smith, Suite 710, 1 Dupont Circle, Washington, D.C. 20036. Tel: (202) 293-7120.

November 9-12: *National Extension Wildlife and Fisheries Workshop.* Baton Rouge, LA. Contact: James E. Miller, Program Leader, Fish & Wildlife, Natural Resources Unit, SEA-Ext., Room 5925 South Bldg., Washington, D.C. 20250. Tel: (202) 447-7947 or James Fowler, Ext. Wildlife Specialist, Louisiana State University, Cooperative Extension Service, Knapp Hall, Baton Rouge, LA 70805. Tel: (504) 388-4141.

November 15-18: *Research for Small Farms.* Beltsville Agricultural Research Center, Science and Education Administration, U.S. Dept. of Agriculture, Beltsville, MD. Contact: Special Symposium Office, Room 230, Bldg., 003, BARC-West, USDA, Beltsville, MD 20705. (301) 344-3087.

December 8-10: *Fifth International On-Line Information Meeting*. London, England. Contact: Organizing Secretary, Online Information Meetings, Online Review, Learned Information, Besselsleigh Road, Abingdon, Oxford OX13 6LG, England. Tel: 0865-730275. Telex: 837704.


1982

February 2-6: *International Conference on Chemistry and World Food Supplies--The New Frontier (CHEMRAWN II)*. Manila, Philippines. Contact: Joyce Torio, CHEMRAWN II Coordinating Office, International Food Policy Research Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036.

February 8-12: *International Society for Human and Animal Mycology*. VIIIth Congress. Palmerston, N.Z. Contact: Secretariat, Massey University, University of Extension, P.O. Box 63, Palmerston, New Zealand.

March 1-6: *State 4-H and Home Economics Leaders' Workshop*. Chevy Chase, MD. National 4-H Center. Contact: Opal Mann or Eleanor Wilson, SEA/Extension, Room 5407, So. Agri. Bldg., Washington, D.C. Tel: (202) 447-2908.

May 23-29: *International Symposium on Dietary Fibre in Human and Animal Nutrition*. Palmerston, N.Z. Contact: Secretariat, Massey University, P.O. Box 63, Palmerston, New Zealand.

August 7-14: *International Congress of Parasitology*. 5th. Toronto, Canada. Contact: Secretariat, ICOPA V, Dept. of Zoology, University of Toronto, Toronto, Canada. M5S 1A1. 

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